

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/08245

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61B17/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 810 884 A (KIM) 22 September 1998 (1998-09-22) abstract; figures column 13, lines 33-38 column 20, line 53 - column 21, line 9	1-5, 9, 15, 16, 19-21
Y	-----	6, 7, 22
Y	US 5 411 520 A (NASH ET AL.) 2 May 1995 (1995-05-02) figures	6, 7, 22
A	US 6 371 974 B1 (BRENNEMAN ET AL.) 16 April 2002 (2002-04-16) abstract; figures 2-3A, 4F	1, 15
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 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Data of the actual completion of the international search

Date of mailing of the international search report

1 December 2003

- 03. 04

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 367 516 A (C. R. BARD, INC.) 9 May 1990 (1990-05-09) abstract -----	1,15
A	US 3 411 505 A (NOBIS) 19 November 1968 (1968-11-19) the whole document -----	1,15

INTERNATIONAL SEARCH REPORTInternational application No.
PCT/EP 03/08245**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-22

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-22

Apparatus comprising a bar having a bore or eyelet extending laterally therethrough and a filament disposed through the bore or eyelet.

2. claims: 23-35

Apparatus comprising a tubular body or delivery sheath and a wire having a sharpened tip at the distal end and deployable from the tubular body or delivery sheath.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/03/08245

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5810884	A	22-09-1998	AU 7281198 A WO 9852472 A1	11-12-1998 26-11-1998
US 5411520	A	02-05-1995	US 5282827 A US 5222974 A AU 6101794 A CA 2155352 A1 EP 0682501 A1 JP 8509392 T WO 9417738 A2 AT 166557 T AT 213607 T AU 2121099 A AU 675777 B2 AU 3128993 A AU 5393198 A AU 704230 B2 AU 7178896 A CA 2122994 A1 DE 69225720 D1 DE 69225720 T2 DE 69232446 D1 DE 69232446 T2 EP 1262149 A1 EP 0662802 A1 EP 0766947 A2 EP 0797953 A2 ES 2117059 T3 HK 1011276 A1 JP 10305038 A JP 2904733 B2 JP 8173438 A JP 2506561 B2 JP 6510462 T US 6045569 A WO 9308746 A2 US 6090130 A US 5441517 A US 6007563 A US 6179863 B1 US 5707393 A US 5676689 A US 2001003158 A1 US 5861004 A US 5935147 A	01-02-1994 29-06-1993 29-08-1994 18-08-1994 22-11-1995 08-10-1996 18-08-1994 15-06-1998 15-03-2002 13-05-1999 20-02-1997 07-06-1993 09-04-1998 15-04-1999 23-01-1997 13-05-1993 02-07-1998 17-12-1998 04-04-2002 10-10-2002 04-12-2002 19-07-1995 09-04-1997 01-10-1997 01-08-1998 28-04-2000 17-11-1998 14-06-1999 09-07-1996 12-06-1996 24-11-1994 04-04-2000 13-05-1993 18-07-2000 15-08-1995 28-12-1999 30-01-2001 13-01-1998 14-10-1997 07-06-2001 19-01-1999 10-08-1999
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EP 0367516	A	09-05-1990	US 4929246 A EP 0367516 A1 JP 2177953 A		29-05-1990 09-05-1990 11-07-1990
US 3411505	A	19-11-1968	NONE		